

M-series

for single phase alternating current, 2 pole

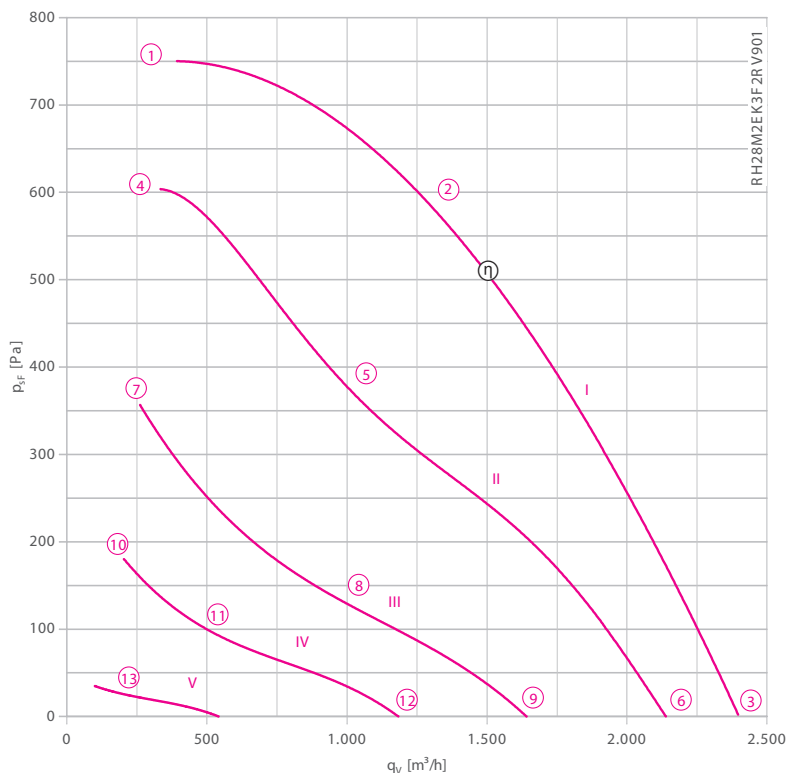
RH28M-2E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.51 kW*
Rated current I_N : 2.20 A*
Rated speed n_N : 2720 min⁻¹*
Starting current I_A : 4.60 A
Service capacitor C_{400V} : 10.0 μ F
Dynamic pressure: $p_{d2} = 6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °C
Protection class: IP10
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
* Rated data

Characteristic curve

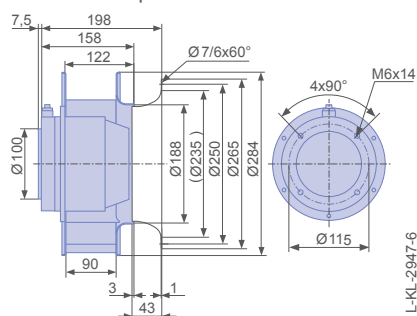


measured with inlet ring, without guard grille according to ISO 5801

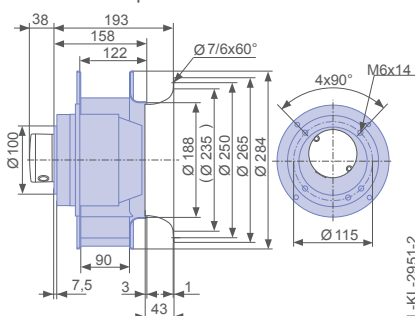
- Inlet ring 00275848 Page 451
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH28M-2EK.3F.2R	I	230	①	1.70	410	2800	
		230*	②	2.20*	510*	2720*	80
		230	③	1.80	420	2800	85
	II	160	④	2.10	350	2520	
		160	⑤	2.70	440	2140	74
		160	⑥	2.20	360	2500	82
	III	130	⑦	2.30	310	1960	
		130	⑧	2.60	340	1540	65
		130	⑨	2.30	300	1920	75
	IV	105	⑩	2.10	230	1400	
		105	⑪	2.20	230	1100	56
		105	⑫	2.10	220	1410	66
	V	60	⑬	1.30	77	530	

*rated data

Fan ordering information

Design	RH*	RH*
Installation position	H/Vu/Vo	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm	Terminal box
		
Type	RH28M-2EK.3F.2R	RH28M-2EK.3F.2R
Article no.	109326	121898
Weight [kg]	7.10	7.10
* Inlet ring not included		

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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